Patent Application Attorney Docket No. PC11053AMAG

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

X. (currently amended) A compound of Formula I

$$R_3$$
 R_4 I R_1

a prodrug of said compound, or a pharmaceutically acceptable sait of said compound or prodrug;

wherein R_1 is a) -(C_1 - C_6)alkyl optionally substituted with -CF₃, b) -C \equiv C-CH₃, c)

-C=C-Cl, d) -C=C-CF₃, e) -CH₂O(C₁-C₄)alkyl optionally substituted with -CF₃ or f) -CF₃;

 R_2 is a) -(C_1 - C_5)alkyl, b) -(C_2 - C_5)alkenyl or c) -phenyl optionally substituted with one of the following: -OH, -NR₉-C(O)-(C_2 - C_4)alkyl, -CN, -Z-het, -

O-(C₁-C₃)alkyl-C(O)-NR₉R₁₀, -NR₉-Z-C(O)-NR₉R₁₀, -Z-NR₉-SO₂-R₁₀, -NR₉-SO₂-het,

-O-C(O)-(C_1 - C_4)alkyl or -O-SO₂-(C_1 - C_4)alkyl;

Z for each occurrence is independently -(C₀-C₄)alkyl;

 R_3 is a) -hydrogen, b) -(C_1 - C_6)alkyl optionally substituted with one to three halo, c) -(C_2 - C_6)alkenyl or d) -(C_2 - C_6)alkynyl optionally substituted with one to three halo;

 R_4 is a) -hydrogen, or b) -(C_2 - C_5)alkyl-NR₅R₆-or c) (C_0 - C_5)alkyl-hot;

or R3 and R4 are taken together with N to form het;

 R_5 and R_6 are each independently a) hydrogen or b) -(C_1 - C_3)alkyl;

het is an optionally substituted 5-, 6- or 7-membered saturated, partially saturated or unsaturated heterocyclic ring containing from 1 to 3 heteroatoms selected from the group consisting of nitrogen, oxygen and sulfur; and including any bicyclic group in which any of the above heterocyclic rings is fused to a benzene ring or another heterocyclic ring; and optionally substituted with one to four R₇; provided that het is other than pyridinyl, imidazolyl or tetrazolyl;

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 R_7 is a) -(C_1 - C_6)alkyl optionally substituted with one to three R_8 , b) -Z- NR_9R_{10} or c) - Z-C(O)- NR_9R_{10} ;

 R_8 for each occurrence is independently a) halo, b) -OH, c) oxo or d) -O(C_1 - C_6)alkyl; R_9 and R_{10} for each occurrence are independently a) -H or b) -(C_1 - C_3)alkyl; or R_9 and R_{10} are taken together with N to form het; provided that:

- 1) when R₁ is -C≡C-CH₃, R₂ is phenyl and R₃ is hydrogen, then R₄ is other than (CH₂)₂-N(CH₃)₂, or -(CH₂)₃-N(CH₃)₂, -(CH₂)₂-pyrrolidinyl optionally substituted with methyl, (CH₂)₃ pyrrolidinyl or (CH₂)₂ morpholinyl;
- 2) when R₁ is -C=C-CH₃, R₂ is -CH₂-CH=CH₂ and R₃ is hydrogen, then R₄ is other than -(CH₂)₂ pyrrolidinyl;
- 2) 3) when R_1 is $-C = C CH_3$, R_2 is propyl and R_3 is hydrogen, then R_4 is other than $-(CH_2)_2 N(CH_3)_2 or -(CH_2)_2 pyrrolidinyl;$ and
- 3) 4) when R_1 is $-C = C CH_3$, R_2 is butyl and R_3 is hydrogen, then R_4 is other than $-(CH_2)_2 N(CH_3)_2$, $-(CH_2)_2 pyrrolidinyl or -(CH_2)_2 morpholinyl; and$
- 5) when R₁ is C=C CH₂, R₂ is pentyl and R₃ is hydrogen, then R₄ is other than (CH₂)₂ morpholinyl or (CH₂)₂ pyrrolidinyl.
- L. 2. (currently amended) A compound of claim 1 of Formula II

AL

 \mathbf{II}

a prodrug of said compound or a pharmaceutically acceptable salt of said compound or prodrug;

wherein R_1 is a) -(C_1 - C_6)alkyl optionally substituted with -CF₃, b) -C=C-CH₃, c) -CF₃ or d) -CH₂O(C_2 - C_4)alkyl.

3. (original) A compound of claim 2 wherein R₁ is a) -CH₂CH₂CH₃, b) -C≡C-CH₃ or c) - CF₃.

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14. (original) A compound of claim 3
  wherein R<sub>3</sub> is a) hydrogen, b) methyl, c) ethyl, d) propyl or e) isopropyl;
           R_4 is -(C_2-C_3)alkyl-NR<sub>5</sub>R<sub>6</sub>;
           R<sub>5</sub> and R<sub>6</sub> are each independently a) methyl, b) ethyl, c) propyl or d) isopropyl.
 5. (original) A compound of claim 4
  wherein R<sub>3</sub> is a) methyl, b) ethyl, c) propyl or d) isopropyl;
          R_4 is -(C_2-C_3)alkyl-NR_5R_6;
          R<sub>5</sub> and R<sub>6</sub> are each independently a) methyl, b) ethyl, c) propyl or d) isopropyl.
6. (original) A compound of claim 5
  wherein R<sub>3</sub> is a) methyl or b) ethyl;
          R_4 is -(C_2-C_3)alkyl-NR_5R_6;
          R<sub>5</sub> and R<sub>6</sub> are each methyl.
  7-11. (canceled).
 12. (original) A compound of claim 1
  wherein R_1 is a) -CH_2CH_2CH_3, b) -C = C-CH_3 or c) -CF_3;
          R_2 is a) -(C_1-C_5)alkyl or b) -(C_2-C_5)alkenyl;
          R<sub>3</sub> is a) hydrogen, b) methyl, c) ethyl, d) propyl or e) isopropyl;
          R_4 is -(C_2-C_3)alkyl-NR_5R_6;
          R<sub>5</sub> and R<sub>6</sub> are each independently a) methyl, b) ethyl, c) propyl or d) isopropyl.
 813. (original) A compound of claim 12
  wherein R<sub>2</sub> is a) methyl, b) ethyl, c) propyl, d) ethenyl, e) propenyl or f) butenyl;
          R<sub>3</sub> is a) hydrogen, b) methyl or c) ethyl,
          R_5 and R_6 are each independently a) methyl or b) ethyl.
  14-17. (canceled).
1 18. (original) A compound of claim 1 wherein in Formula I –CH_2-R_2 is ethenyl or
  ethynyl.
1019. (original) A compound of claim 4 selected from the group consisting of:
          carbamic acid, [2-(dimethylamino)ethyl]-, (4bS,7R,8aR)-4b,5,6,7,8,8a,9,10-
  octahydro-7-hydroxy-4b-(phenylmethyl)-7-(trifluoromethyl)-2-phenanthrenyl ester;
          carbamic acid, [3-(dimethylamino)propyl]-, (4bS,7R,8aR)-4b,5,6,7,8,8a,9,10-
  octahydro-7-hydroxy-4b-(phenylmethyl)-7-(trifluoromethyl)-2-phenanthrenyl ester; and
          carbamic acid, [3-(diethylamino)propyl]-, (4bS,7R,8aR)-4b,5,6,7,8,8a,9,10-
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octahydro-7-hydroxy-4b-(phenylmethyl)-7-(trifluoromethyl)-2-phenanthrenyl ester.

1) 20. (original) A compound of claim 6 selected from the group consisting of:

carbamic acid, [2-(dimethylamino)ethyl]methyl-, (4bS,7R,8aR)-4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-4b-(phenylmethyl)-7-(trifluoromethyl)-2-phenanthrenyl ester;

carbamic acid, [2-(dimethylamino)ethyl]methyl-, (4bS,7R,8aR)-4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-4b-(phenylmethyl)-7-propyl-2-phenanthrenyl ester;

carbamic acid, [3-(dimethylamino)propyl]ethyl-, (4bS,7R,8aR)-4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-4b-(phenylmethyl)-7-(trifluoromethyl)-2-phenanthrenyl ester; and carbamic acid, [2-(dimethylamino)ethyl]ethyl-, (4bS,7R,8aR)-4b,5,6,7,8,8a,9,10-octahydro-7-hydroxy-4b-(phenylmethyl)-7-(trifluoromethyl)-2-phenanthrenyl ester. 21-23. (canceled).

(original) A compound of claim 13 selected from the group consisting of: carbamic acid, (3-dimethylaminopropyl)methyl-, (4bS, 7R, 8aR)-

4b,5,6,7,8,8a,9,10-octahydro-4b-ethyl-7-hydroxy-7-prop-1-ynyl-phenanthren-2-yl ester; carbamic acid, (2-dimethylaminoethyl)methyl-, (4bS, 7R, 8aR)-4b,5,6,7,8,8a,9,10-octahydro-4b-ethyl-7-hydroxy-7-prop-1-ynyl-phenanthren-2-yl ester;

carbamic acid, (2-dimethylaminoethyl)ethyl-, (4bS, 7R, 8aR)-4b,5,6,7,8,8a,9,10-octahydro-4b-ethyl-7-hydroxy-7-prop-1-ynyl-phenanthren-2-yl ester; and carbamic acid, (2-dimethylaminoethyl)-, (4bS, 7R, 8aR)-4b,5,6,7,8,8a,9,10-octahydro-4b-ethyl-7-hydroxy-7-prop-1-ynyl-phenanthren-2-yl ester.

25-26. (canceled)

disease or condition which is selected from obesity, diabetes, depression, anxiety and neurodegeneration in a mammal, which comprises administering to the mammal a therapeutically effective amount of a compound of claim 1, a prodrug thereof, or a pharmaceutically acceptable salt of said compound or prodrug.

28. (canceled)

1429. (currently amended) The method of claim 28-27 wherein the condition is obesity. 30-41. (canceled)